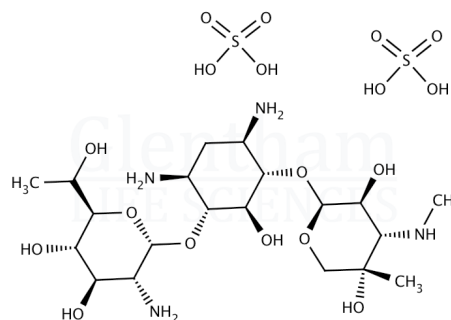


Certificate of Analysis

Product Name G418 disulphate salt
Glentham Code GA2946
CAS Number 108321-42-2
MDL Number MFCD00058314
Additional CAS 49863-47-0
PubChem SID 310274067
Batch Number 735KQM

Molecular Weight 692.71
Molecular Formula $C_{20}H_{40}N_4O_{10} \cdot 2H_2SO_4$
Storage Temp. +4°C



Property	Specification	Batch 735KQM
Physical Description	White to almost white powder	White powder
Identification	IR	Conforms
	HPLC	Conforms
pH (20% in water)	4.6 - 6.0	4.85
Solubility (10% in water)	Clear solution	Clear solution
Specific Optical Rotation	+104 - +121 °	108.1°
Absorbance	0.1% in water at 280nm: ≤ 0.015	0.012
	10% in water at 570nm: ≤ 0.10	0.01
Ammonia	≤ 0.5%	Conforms
Water (KF)	≤ 12.0%	5.9%
Potency (as is)	≥ 700µg/mg	785µg/mg
Potency (dried basis)	≥ 720µg/mg	831µg/mg

Specification Version v1.2
Manufacture Date 2024-04-15
Re-Test Date 2034-10-10

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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